DESCRIPTIVE REPORT

Topographic  Sheet No. M

State  California

LOCALITY

Santa Barbara Channel

Arroyo Quemado to Port... [Handwritten notes]

1933

CHIEF OF PARTY

C.K. Green

U.S. GOVERNMENT PRINTING OFFICE: 1934
Applied to drawing of Chart 5203 - Nov 1936 C. M. Z.
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field Letter M

REGISTER NO. 4881

State California

General locality Santa Barbara Channel, north of Arroyo Quemado to vicinity Ojito Canada Del Agua Caliente

Locality

Scale 1,10,000 Date of survey August 1933

Vessel shore party

Chief of Party Chas. K. Gram

Surveyed by Harry T. Kalesh

Inked by H.T.K. and H.C.S.

Heights in feet above H.W. to ground to tops of trees

Contour Approximate contour Form line interval 50 feet

Instructions dated October 31 1932

Remarks: 

Y. P. Attorney General D.V. Office 1931
Lettering of marriage on this sheet to be defined;
full letter of inquiry is attached.

H.B.
Descriptive Report

to accompany
Topographic Sheet M
h. side Santa Barbara Chan,
California

Instructions

October 31, 1932

Limits and scale

This sheet embraces a strip of shoreline on
the north side of Santa Barbara Channel, in the general vicinity
of Gaviota, from a point 6 miles east of Gaviota Pass to 2 miles
west of it. (long 120°07' to 120°15' W.)

The scale is 1-10,000

General Description

The shoreline shown on this sheet is a nearly
straight stretch, with no bights, running in an east-west direction;
and consisting of a series of cliffs 70 to 100 ft in height; broken
by occasional canyons. There is a narrow strip of low water beach, but
at high water the tide reaches the base of the cliffs.

Hills rise directly from the coast, crowding the
Southern Pacific R.R. and the Coast Highway close to the cliff edge.
Long narrow valleys normal to the coastline indent the hills.

At Gaviota Pass the highway swings away from the
Coast. West of this along the Coast is only the private dirt road
leading to the Hollister Ranch.

Special Notes

At Gaviota the Associated Oil Co. has a substantial
wooden pier extending out 350 meters offshore. This is the only off-
shore development.

There are no offshore rocks, other than as shown
just outside low water line.

Control

There are 5 triangulation signals on or near the
shoreline, and short traverses were run. No adjustment necessary.

Changes in shoreline

No material changes. Near the east end of the sheet
a railway fill and wall has extended the shoreline about 25 meters.

Contours

The contour work on the former topography was done
with such detail, that the efforts of this party were confined to
securing a more detailed shoreline survey, and contours shown are
merely general checks on the former work.

Harry T. Keish, Surveyor
APPROVAL OF CHIEF OF PARTY.

Topographic sheets lettered "L" to "O" have been inspected and approved by me, as have the descriptive reports.

Chas. K. Green
Chief of Party
Section of Field Records

REVIEW OF TOPOGRAPHIC SURVEY NO. 4881 (1933)

Arroyo Quemado to Canada del Agua Caliente,
Santa Barbara, Channel, California
Surveyed August 1933
Instructions dated: October 31, 1932 (GREEN)

Plane Table Survey - Cloth Mounted

Chief of Party - C. K. Green.
Surveyed by - H. T. Kalah.


The records conform to the requirements of the Topographic Manual
with the following exceptions:

a. Names of triangulation and topographic stations and notes
regarding land features are shown with slanting lettering. The
accepted method is to show such notes in vertical letters.

b. No Descriptions of Recoverable Topographic stations, Form 524,
were furnished, probably because there are numerous triangulation
stations in this area.

2. Compliance with Instructions for the Project.

The survey complies with the instructions for the project.

3. Junctions with Contemporary Surveys.

Satisfactory junction was made with T-4880 (1933) on the east and
with T-4882 (1933) on the west.


a. T-1338 (1873) and T-1339 (1873).

These surveys are in good agreement with the present survey except
that the high water line appears to have been moved back a slight
distance in a few places due to erosion. However in all cases this
shift is not more than 10 or 15 meters, indicating that this section
of the coast is subject to very little change. The few rocks which
are now shown just outside the low water line, were not located on
these surveys.

A general comparison between the former and the present contours shows
a satisfactory agreement.

5. Field Drafting.

The field inking of the survey is good.
6. **Additional Field Work Recommended.**

The survey is complete and no additional field work is required.

7. **Superseding Old Surveys.**

Insofar as the topography actually included on the present survey is concerned, it supersedes the following surveys for charting purposes:

- T-1332 (1873) in part.
- T-1339 (1873) in part.


Examine and approved:

G. K. Green, C. K. Green
Chief, Section of Field Records.

F. Borden
Chief, Section of Field Work.

L. O. Cloud
Chief, Div. of Charts.

Chief, Div. of H. & T.
GEOGRAPHIC NAMES

Date: March 7, 1935

California

Names underlined in red approved May 25, 1935

Approved by the Division of Geographic Names, Department of Interior. *

Referred to the Division of Geographic Names, Department of Interior. R

Under investigation. Q

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